

WESTLab Comparison of NFRC Old (1997) and New (2001) Ratings
Revised September 27, 2002

WESTLab Data	Current				New W5.1 & T5.1					
	Res	U	NR	U	Res	SHGC	Res	%diff	SHGC	CR
Summary - done using latest Window 5.1 and Therm 5.1	Res	U	NR	U	Res	SHGC	Res	%diff	SHGC	CR
Patio Door Aluminum, Clear-Air, Intercept	0.74	0.73	0.70	0.64	0.65	0.66	-12%	-6%	13	
Patio Door Aluminum, LowE-Air, Intercept	0.59	0.57	0.38	0.35	0.51	0.35	-14%	-8%	14	
Horz. Slider Aluminum, Clear-Air, Super spacer	0.79	0.75	0.68	0.64	0.70	0.65	-11%	-4%	15	
Horz. Slider Aluminum, LowE-Air, Super Spacer	0.68	0.62	0.39	0.38	0.59	0.36	-13%	-8%	15	
Fixed Aluminum, Clear-Air, Super Spacer	0.65	0.63	0.70	0.66	0.60	0.69	-8%	-1%	16	
Fixed Aluminum, LowE-Air, Super Spacer	0.49	0.46	0.39	0.38	0.44	0.38	-10%	-3%	16	
Horz. Slider T/B, Clear-Air, Super Spacer	0.62	0.60	0.63	0.60	0.57	0.62	-8%	-2%	43	
Horz. Slider T/B, LowE-Air, Super Spacer	0.48	0.44	0.35	0.35	0.43	0.34	-10%	-3%	45	
Fixed T/B, Clear-Air, Super Spacer	0.55	0.54	0.69	0.65	0.52	0.68	-5%	-1%	45	
Fixed T/B, LowE-Air, Super Spacer	0.38	0.37	0.38	0.37	0.36	0.37	-5%	-3%	49	
Patio Door PVC, Clear-Air, Intercept Spacer	0.51	0.51	0.62	0.58	0.48	0.63	-6%	2%	40	
Patio Door PVC, LowE-Air, Intercept Spacer	0.37	0.36	0.34	0.33	0.35	0.34	-5%	0%	48	
Horz. Slider PVC, Clear-Air, Aluminum Spacer	0.51	0.51	0.60	0.58	0.49	0.62	-4%	3%	41	
Horz. Slider PVC, LowE-Air, Aluminum Spacer	0.38	0.36	0.33	0.33	0.35	0.33	-8%	0%	50	
Fixed PVC, Clear-Air, Aluminum Spacer	0.52	0.52	0.67	0.63	0.48	0.69	-8%	3%	40	
Fixed PVC, LowE-Air, Aluminum Spacer	0.36	0.36	0.37	0.36	0.34	0.37	-6%	0%	50	
Patio Door Wood, Clear-Air, Stainless Spacer	0.47	0.47	0.60	0.56	0.45	0.61	-5%	2%	45	
Patio Door Wood, LowE-Air, Stainless Spacer	0.33	0.33	0.33	0.32	0.32	0.33	-2%	0%	51	

CEERE Data	Current				New Alaska					
	Res	U	NR	U	Res	SHGC	Res	%diff	SHGC	CR
Sumary - as published for Alaska Meeting	Res	U	NR	U	Res	SHGC	Res	%diff	SHGC	CR
Horz. Slider, Al, Clear-air-HM-LowE, Steel Days	0.62	0.55	0.35	0.34	0.48	0.31	-22%	-10%		
Casement, T/B, LowE-air-HM-LowE, Aluminum Spacer	0.48	0.43	0.27	0.28	0.43	0.25	-11%	-9%		
Fixed, T/B, LowE-air-HM-LowE, Aluminum Spacer	0.40	0.37	0.28	0.29	0.36	0.27	-10%	-5%		
Casement, Vinyl, LowE-Air, Swiggle	0.31	0.31	0.27	0.29	0.31	0.26	0%	-1%		
Fixed, Vinyl, LowE-Air, Swiggle	0.31	0.31	0.31	0.32	0.31	0.31	-1%	1%		
Casement, Al Clad Wood, LowE-Air, Steel Spacer	0.37	0.36	0.33	0.34	0.35	0.32	-6%	-2%		
Fixed, Al Clad Wood, LowE-Air, Steel Spacer	0.35	0.34	0.35	0.36	0.34	0.35	-4%	-1%		
Casement, Wood, Clear-Air, Aluminum Spacer	0.50	0.50	0.60	0.63	0.47	0.60	-5%	1%		
Fixed, Wood, Clear-Air, Aluminum Spacer	0.49	0.49	0.64	0.66	0.47	0.65	-5%	1%		
Casement, Wood, LowE-Air, Aluminum Spacer	0.34	0.33	0.28	0.29	0.36	0.28	7%	0%		
Fixed, Wood, LowE-Air, Aluminum Spacer	0.36	0.35	0.30	0.31	0.35	0.30	-3%	1%		
TB Curtain Wall with Bolt, Clear-Air, Aluminum Spacer	0.59	0.59	0.61	0.61	0.57	0.61	-3%	-1%		
TB Curtain Wall, Aluminum Spacer	0.62	0.62	0.62	0.62	0.59	0.61	-4%	-1%		
TB Curtain Wall with thermal slot, Clear-Air, Aluminum Spac	0.57	0.57	0.62	0.62	0.55	0.61	-4%	-1%		
TI Curtain Wall, Clear-Air, Aluminum Spacer	0.57	0.57	0.63	0.63	0.54	0.62	-6%	-1%		
TB Skylight, Arg-LowE, Aluminum Spacer	0.54	0.54	0.62	0.62	0.63	0.59	17%	-5%		
AL Clad Skylight, LowE-Air, Aluminum Spacer	0.40	0.40	0.34	0.34	0.50	0.32	24%	-5%		

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WESTLab Data	Current						New COG Only				New Size Only						
	Res	U	COG Res	U	NR	U	Res SHGC	COG Res	SHGC	NR	SHGC	U	SHGC	Res %diff U	Res %diff SHGC	Res %diff U	Res %diff SHGC
Details																	
Patio Door Aluminum, Clear-Air, Intercept	0.74	0.493	0.73	0.70	0.780	0.64		0.481	0.754	-2%	-3%	0.74	0.67	0%	-4%		
Patio Door Aluminum, LowE-Air, Intercept	0.59	0.300	0.57	0.38	0.390	0.35		0.301	0.392	0%	1%	0.57	0.35	-3%	-8%		
Horz. Slider Aluminum, Clear-Air, Super spacer	0.79	0.567	0.75	0.68	0.760	0.64		0.549	0.760	-3%	0%	0.77	0.65	-3%	-4%		
Horz. Slider Aluminum, LowE-Air, Super Spacer	0.68	0.418	0.62	0.39	0.410	0.38		0.408	0.416	-2%	1%	0.65	0.35	-4%	-10%		
Fixed Aluminum, Clear-Air, Super Spacer	0.65	0.492	0.63	0.70	0.760	0.66		0.480	0.761	-2%	0%	0.64	0.69	-2%	-1%		
Fixed Aluminum, LowE-Air, Super Spacer	0.49	0.298	0.46	0.39	0.400	0.38		0.297	0.410	0%	2%	0.47	0.37	-4%	-5%		
Horz. Slider T/B, Clear-Air, Super Spacer	0.62	0.492	0.60	0.63	0.760	0.60		0.480	0.761	-2%	0%	0.61	0.62	-2%	-2%		
Horz. Slider T/B, LowE-Air, Super Spacer	0.48	0.298	0.44	0.35	0.400	0.35		0.297	0.410	0%	2%	0.46	0.33	-4%	-6%		
Fixed T/B, Clear-Air, Super Spacer	0.55	0.492	0.54	0.69	0.760	0.65		0.480	0.761	-2%	0%	0.55	0.69	0%	0%		
Fixed T/B, LowE-Air, Super Spacer	0.38	0.298	0.37	0.38	0.400	0.37		0.297	0.410	0%	2%	0.38	0.37	0%	-3%		
Patio Door PVC, Clear-Air, Intercept Spacer	0.51	0.493	0.51	0.62	0.770	0.58		0.465	0.777	-6%	1%	0.51	0.61	0%	-2%		
Patio Door PVC, LowE-Air, Intercept Spacer	0.37	0.297	0.36	0.34	0.410	0.33		0.313	0.412	5%	0%	0.35	0.33	-5%	-3%		
Horz. Slider PVC, Clear-Air, Aluminum Spacer	0.51	0.496	0.51	0.60	0.790	0.58		0.481	0.777	-3%	-2%	0.52	0.59	2%	-2%		
Horz. Slider PVC, LowE-Air, Aluminum Spacer	0.38	0.299	0.36	0.33	0.410	0.33		0.301	0.412	1%	0%	0.35	0.33	-8%	0%		
Fixed PVC, Clear-Air, Aluminum Spacer	0.52	0.496	0.52	0.67	0.790	0.63		0.481	0.777	-3%	-2%	0.52	0.67	0%	0%		
Fixed PVC, LowE-Air, Aluminum Spacer	0.36	0.299	0.36	0.37	0.410	0.36		0.301	0.412	1%	0%	0.33	0.33	-8%	-11%		
Patio Door Wood, Clear-Air, Stainless Spacer	0.47	0.49	0.47	0.60	0.76	0.56		0.48	0.78	-2%	2%	0.47	0.60	0%	1%		
Patio Door Wood, LowE-Air, Stainless Spacer	0.33	0.30	0.33	0.33	0.41	0.32		0.30	0.41	1%	1%	0.33	0.33	0%	1%		